

Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
09010-029006Application No.
09/866,379**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant
Short, et al.Filing Date
May 24, 2001Group Art Unit
1652**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)

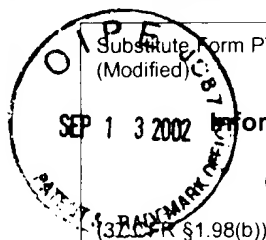
Examiner Initial	Desig. ID	Document
DR	AQ	Database accession No. A02249, 1996
	AR	
	AS	
	AT	

Examiner Signature

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12/18/02

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	AA	5,366,736	11/22/1994	Edwards, Jr.	424	442	
	AB	5,436,156	7/25/1995	Van Gorcom et al.	435	252.3	
	AC	5,593,963	1/14/1997	Van Ooijen et al.	574	12	
	AD	5,830,696	11/3/1998	Short	435	69.1	
	AE	5,939,303	8/17/1999	Cheng, et al.	435	196	
	AF	6,190,897 B1	2/20/2001	Kretz	435	196	
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						

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DR	AN	WO 99/08539	2/25/1999	Europe EPO				
DR	AO	EP 0 897 985A2	2/24/1999	Europe EPO				
DR	AP	EP 0 282 042B1	6/8/1994	Europe EPO			Abstract only	
	AQ							
	AR							

Other Documents (include Author, Title, Date, and Place of Publication)

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DR	AS	Stephen F. Altschul, Warren Gish, Webb Miller, Eugene W. Myers and David J. Lipman, "Basic Local Alignment Search Tool", 1990, Academic Press Limited, J. Mol. Bio. Vol. 215, pp. 403-410
DR	AT	Henrik Brinch-Pedersen, Annette Olesen, Soren K. Rasmussen & Preben B. Holm, "Generation of Transgenic Wheat (<i>Triticum aestivum</i> L.) for Constitutive Accumulation of an <i>Aspergillus</i> Phytase", 2000, Molecular Breeding, pp. 195-206

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DR	AU	Janie Dassa, Christian Marck, and Paul L. Boquet, "The Complete Nucleotide Sequence of the <i>Escherichia coli</i> Gene <i>appA</i> Reveals Significant Homology between pH 2.5 Acid Phosphatase and Glucose-1-Phosphatase", September, 1990, Journal of Bacteriology, Vol. 172, No. 9, pp. 5497-5500
↑	AV	J. Dvorakova, "Phytase: Sources, Preparation and Exploitation", 1998, Folia Microbiol, Vol. 43(4), pp. 323-338
	AW	Lori Giver, Anne Gershenson, Per-Ola Freskgard, and Frances H. Arnold, "Directed Evolution of a Thermostable Esterase", October, 1998, National Academy of Sciences, Vol. 95, pp. 12809-12813
	AX	R. Greiner, U. Konietzny, and Kl.-D. Jany, "Purification and Characterization of Two Phytases from <i>Escherichia coli</i> ", May 15, 1993, Archives of Biochemistry and Biophysics, Vol. 303, No. 1, pp. 107-113
	AY	M. Lehmann, L. Pasamontes, s. F. Lassen, M. Wyss, "The Consensus Concept for Thermostability Engineering of Proteins", 2000, Biochimica et Biophysica Acta, Vol. 1543, pp. 408-415
	AZ	Lutz Jermutus, Michel Tessier, Luis Pasamontes, Adolphus P.G.M. van Loon, and Martin Lehmann, "Structure-based Chimeric Enzymes as an Alternative to Directed Enzyme Evolution: Phytase as a Test Case", 2001, Journal of Biotechnology Vol. 85, pp. 15-24
	AAA	William R. Pearson and David J. Lipman, "Improved Tools for Biological Sequence Comparison", April 1988, National Academy of Sciences, Vol. 85, pp. 2444-2448
	ABB	Jan Pen, Theo C. Verwoerd, Peter A. vanParidon, Rob F. Beudeker, Peter J.M. van den Elzen, Kees Geerse, Jan D. van der Klis, Hans A. J. Versteegh, Albert J.J. van Ooyen and Andre' Hoekema, "Phytase-containing Transgenic Seeds as a Novel Feed Additive for Improved Phosphorus Utilization", July, 1993, Bio/Technology Vol. 11, pp. 79-82
	ACC	Eric Rodriguez, Yanming Han, and Xin Gen Lei, "Cloning, Sequencing, and Expression of an <i>Escherichia coli</i> Acid Phosphatase/Phytase Gene (<i>appA2</i>) Isolated from Pig Colon", 1999, Biochemical and Biophysical Research Communications, Vol. 257, pp. 117-123
	ADD	J. Rozas and R. Rozas, "DnaSP, DNA Sequence Polymorphism: An Interactive Program for Estimating Population Genetics Parameters from DNA Sequence Data", 1995, Cabios, Vol. 11 No. 6, pp. 61-625
	AEE	Andrea Tomschy, Michel Tessier, Markus Wyss, Roland Brugger, Clemens Broger, Line Schnobelen, Adolphus P.G.M. van Loon, and Luis Pasamontes, "Optimization of the Catalytic Properties of <i>Aspergillus-fumigatus</i> Phytase Based on the Three-dimensional Structure", 2000, Protein Science, pp. 1304-1311 <i>Volume 9</i>
	AFF	T. C. Verwoerd, A. Hoekema, P. A. van Paridon, A.J.J. van Ooyen, & J. Pen, "Phytase-enriched Transgenic Seeds as a Novel Feed Additive", 1993, Med. Fac. Landbouww. Univ. Gent. No. 58/4a, pp. 1719-1721
	AGG	Costantino Vetriani, Dennis L. Maeder, Nicola tolliday, Kitty S.-P. Yip, Timothy J. Stillman, K. Linda Britton, David W. Rice, Horst H. Klump, and Frank T. Robb, "Protein Thermostability Above 100°C: A Key Role for Ionic Interactions", October, 1998, National Academy of Sciences, Vol. 95, pp. 12300-12305
↓	AHH	Gunnar von Heijne, A New Method for Predicting Signal Sequence Cleavage Sites", 1986, Research Group for Theoretical Biophysics, pp. 4683-4690
DR	AII	Markus Wyss, Roland Brugger, Alexandra Kronenberger, Roland Remy, Rachel Fimbel, Gottfried Oesterhelt, Martin Lehmann, and Adolphus P.G.M. van Loon, February, 1999, Applied and Environmental Microbiology, Vol. 65, No. 2, pp. 367-373


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<i>DR</i>	AJJ	Database accession No. AR130956, <i>Feb 1</i>
<i>DR</i>	AKK	Database accession No. AAX26540
<i>DR</i>	ALL	Database accession No. P07102, <i>2002</i>

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